

# Team K

# SwithS:

Sungkyunkwan University's  
study integration platform

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정노원, 신경준

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## : 00. Recall project purpose

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What is the purpose of our project?



**Study platform for SKKU students!**

# 00. Midterm feedback

# : 00. Midterm feedback

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Security Problem with Crawling SKKU Library



Just provide link of SKKU Library

# 01. Progress - Frontend

## 01. Progress - Frontend

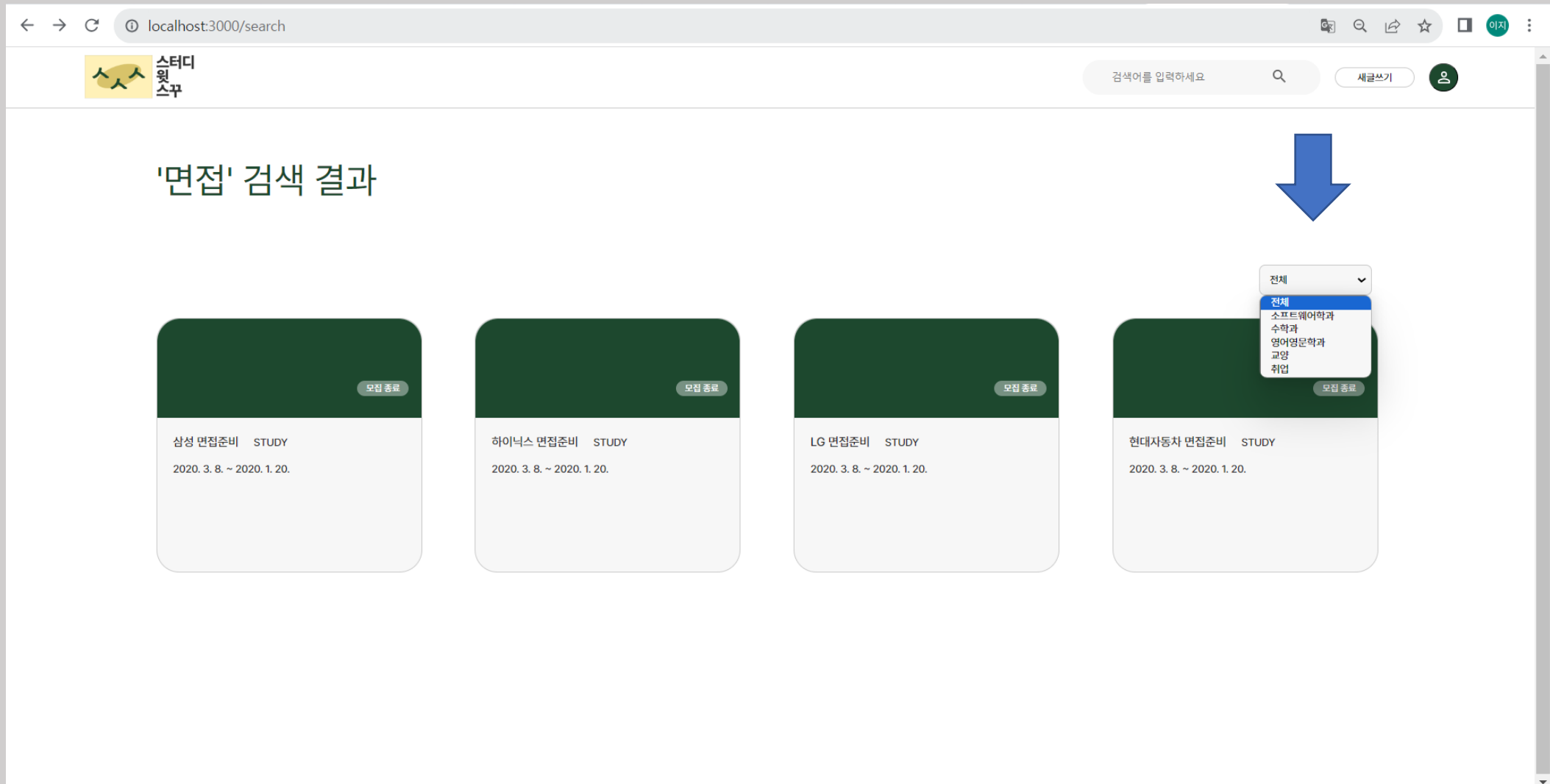
- + Category search





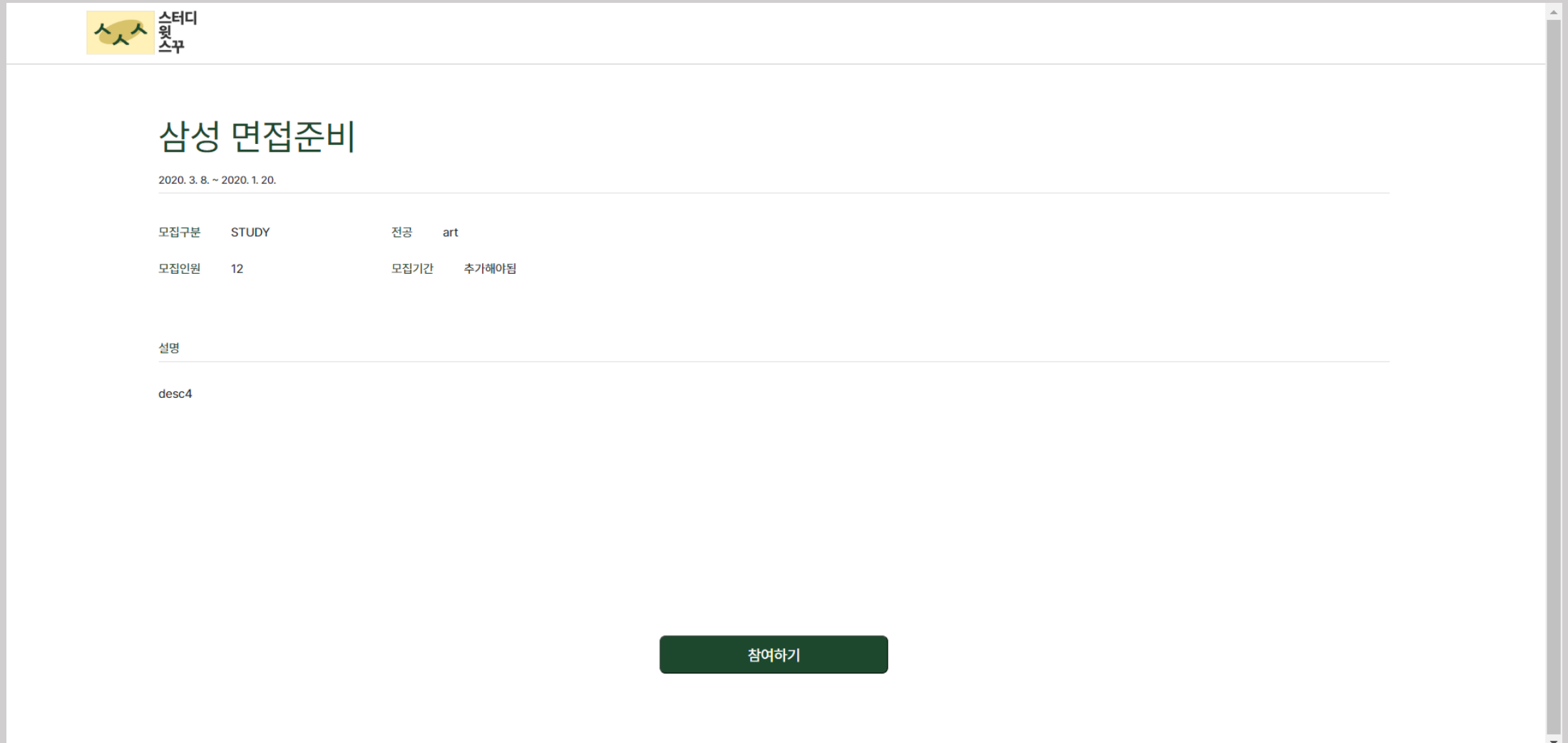
# :01. Progress - Frontend

- + Category filter



# : 01. Progress - Frontend

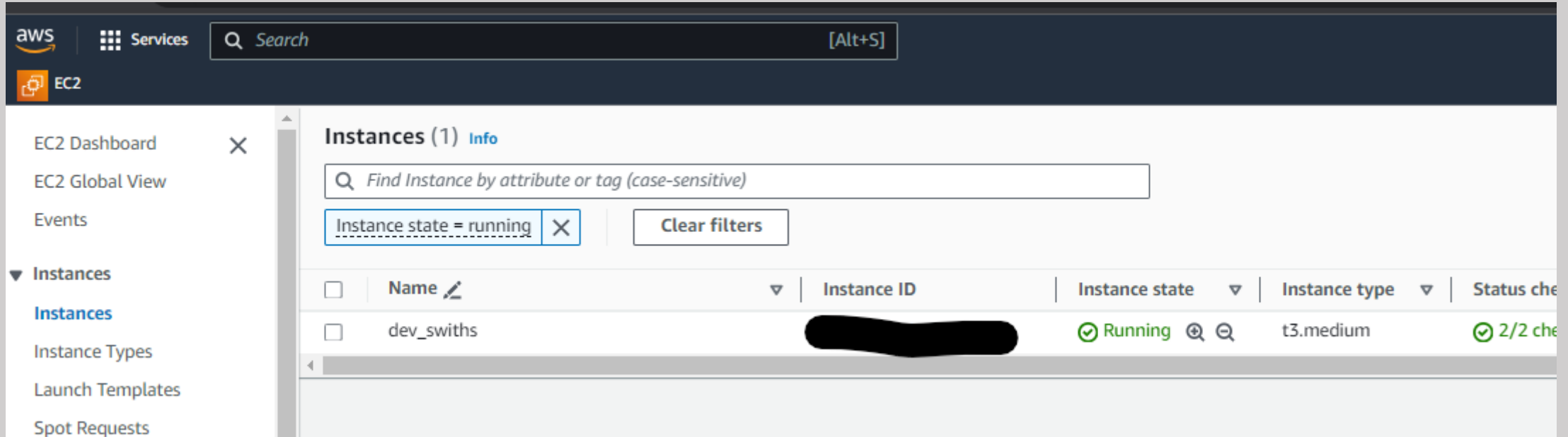
- Detail page



## 02. Progress - Backend

## • 02. Progress - Backend

- Running Dev(API) server



- + Planning to build a deployment server.

## : 02. Progress - Backend

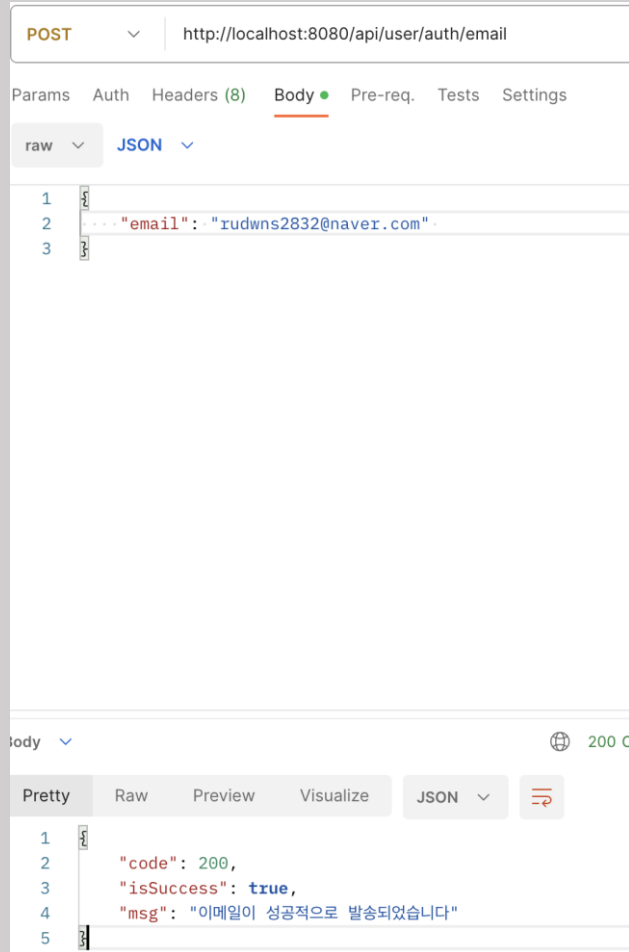
- Running API server (Automation using Github Actions)

The screenshot displays the GitHub Actions interface for the repository `k1g99 / SwithS`. The top navigation bar includes links for Code, Issues (8), Pull requests (3), Discussions, Actions (selected), Projects (1), Wiki, Security, Insights, and Settings. The left sidebar shows the 'Actions' section with a 'New workflow' button and a list of workflow categories: Run DevServer, Management, Caches, and Runners (marked as Beta). The main area, titled 'All workflows', shows 'Showing runs from all workflows' and a list of 29 workflow runs. The first six runs are visible, each with a green checkmark indicating success. The runs include merging pull requests, updating the API, and running application.yml files. Branch names like 'develop' and 'feature/55-update-study-sea...' are visible next to each run.

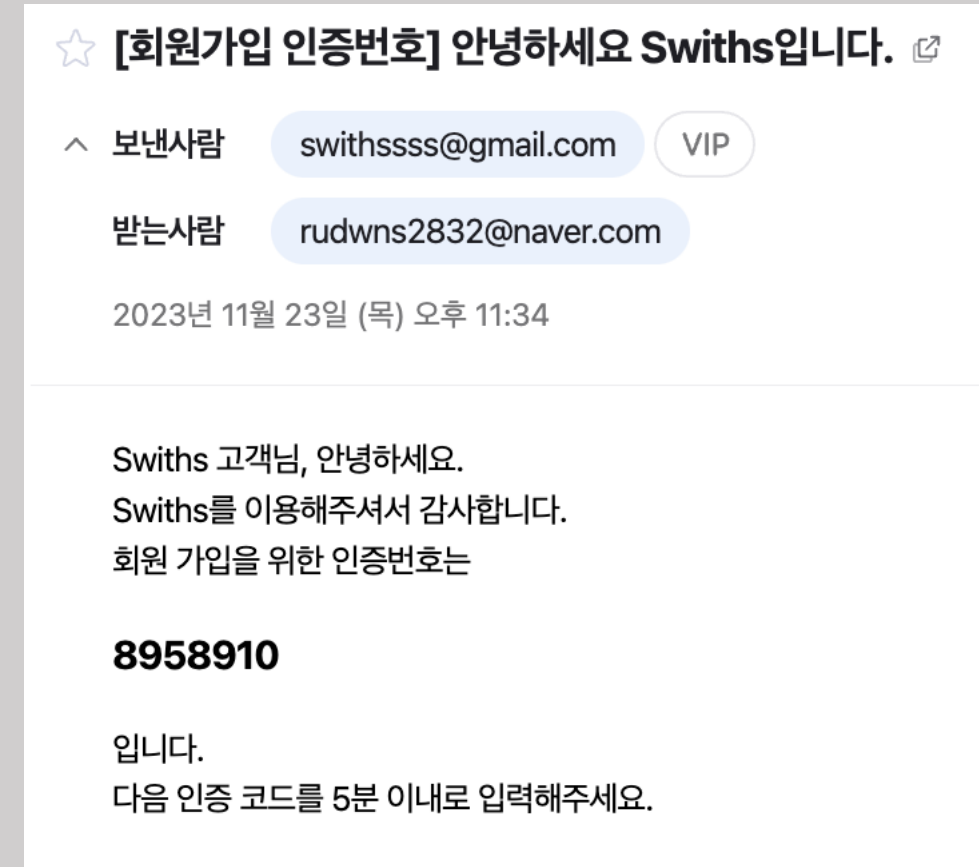
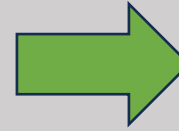
Workflow Run	Branch
Merge pull request #57 from k1g99/hotfix/disallow-action-in-pr	develop
스터디 검색 API 수정	feature/55-update-study-sea...
Major Get API 생성	feature/51-major-api
Merge pull request #53 from k1g99/hotfix/fix-configuration-file	develop
hotfix: Dev 서버 application.yml 실행 안됨	hotfix/fix-configuration-fi...
hotfix: Dev 서버 application.yml 실행 안됨	hotfix/fix-configuration-fi...

## : 02. Progress - Backend

- Sign Up



Send Email for sign up Authorization



Auth Email with Code

## : 02. Progress - Backend

- Sign Up

The screenshot shows a REST client interface with a GET request to `http://localhost:8080/api/user/auth/verify?code=8958910&email=rudwns2832@naver.com`. The 'Query Params' section contains a table with the following data:

	Key	Value	Description
<input checked="" type="checkbox"/>	code	8958910	
<input checked="" type="checkbox"/>	email	rudwns2832@naver.com	
	Key	Value	Description

The 'Body' section shows the response in JSON format:

```
1 {
2   "code": 200,
3   "isSuccess": true,
4   "msg": "인증에 성공하셨습니다."
5 }
```

At the top of the body section, the status is `200 OK` with a response time of `45 ms` and a size of `493 B`.

```
redisUtil.setDataExpire(authKey, email, 60 * 5L);
```

Code is saved in redis for 5 minutes.

```
> docker exec -it 20fb4 redis-cli
127.0.0.1:6379> keys *
1) "8958910"
127.0.0.1:6379> 
```

Get the code as a parameter and authenticate

## : 02. Progress - Backend

- Sign In

At the time of login, the user is given the right to access our platform by receiving a JWT.

The screenshot displays a REST client interface with a POST request to `http://localhost:8080/api/user/signin`. The request body is a JSON object with the following structure:

```
1 {
2   ... "username" : "testname22",
3   ... "password" : "testpassword2"
4 }
```

The response status is `200 OK` with a response time of `472 ms` and a body size of `709 B`. The response body is a JSON object containing the following fields:

```
1 {
2   "grantType": "Bearer",
3   "accessToken": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0bmFtZTIyIiwiaXV0aCI6I1JPTEVfVVNFUiIsImV4cCI6MTcwMDc1NDEwN30uBkMRW_hBhm4ciEMz-XwBeBVpCfB6Xi1cp92WDJzlUgE",
4   "refreshToken": "eyJhbGciOiJIUzI1NiJ9.eyJleHAiOjE20TkWNDc1MzI9.23EItoVGvjStNEJ1Yhix2PgmEdkWyLUdrnBGWJ_8e9M"
5 }
```



# : 02. Progress - Backend

- Sign In

The screenshot shows a Postman interface for a POST request to `http://localhost:8080/api/user/test`. The 'Headers' tab is selected, displaying a list of headers. The 'Authorization' header is set to 'Bearer eyJhbGciOiJIUzI1NiJ9.eyJ...'.

	Key	Value	Des...
<input checked="" type="checkbox"/>	Postman-Token	<calculated when request is sent>	
<input checked="" type="checkbox"/>	Content-Type	application/json	
<input checked="" type="checkbox"/>	Content-Length	<calculated when request is sent>	
<input checked="" type="checkbox"/>	Host	<calculated when request is sent>	
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.35.0	
<input checked="" type="checkbox"/>	Accept	*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	keep-alive	
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJ...	
	Key	Value	Description

body 200 OK 36 ms 453 B Save as example

Pretty Raw Preview Visualize Text 1 testname22님 환영합니다.

The user gets permission to access a specific page by sending the JWT to the header together.

## : 02. Progress - Backend

- Sign In

The screenshot shows a REST client interface with a POST request to `http://localhost:8080/api/user/test`. The 'Headers' tab is active, displaying a list of headers with checkboxes for each. The response status is `403 Forbidden` with a time of `20 ms` and a size of `300 B`.

Header	Value
Content-Type	application/json
Content-Length	<calculated when request is sent>
Host	<calculated when request is sent>
User-Agent	PostmanRuntime/7.35.0
Accept	*/*
Accept-Encoding	gzip, deflate, br
Connection	keep-alive
Authorization	

Response Status: 403 Forbidden Time: 20 ms Size: 300 B

If the token expires or does not exist, the user loses access to the site with 403 exception handling.

## : 02. Progress - Backend

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- Compare Timetable

Each time a user enters or when a vote is created, comparing the timetable for each user is time-consuming.

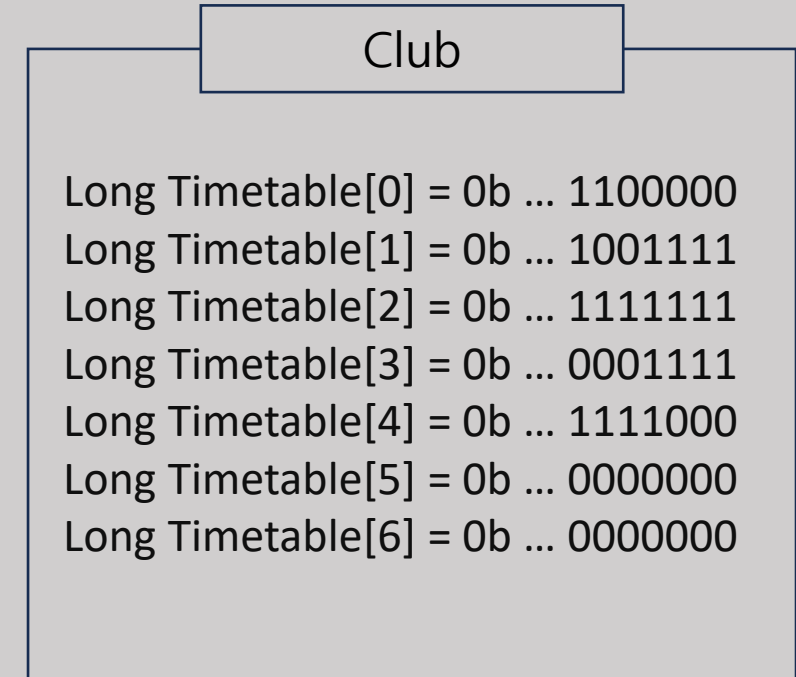
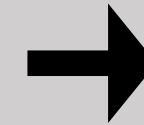


Using a **bitmask** for efficient storage and faster time comparisons

## • 02. Progress - Backend

- Compare Timetable

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
9:00 – 9:15	0	1	1	1	0	0	0
9:15 – 9:30	0	1	1	1	0	0	0
9:30 - 9:45	0	1	1	1	0	0	0
9:45 - 10:00	0	1	1	1	1	0	0
10:00 - 10:15	0	0	1	0	1	0	0
10:15 - 10:30	1	0	1	0	1	0	0
10:30 - 10:45	1	1	1	0	1	0	0
...							
...							



## • 02. Progress - Backend

- Save the compared timetable information as bitmask

```
@Override
public List<VoteItemEntity> getVoteItemByTimetable(Long timetable, Day day, VoteEntity voteEntity) {
    List<VoteItemEntity> VoteItemList = new ArrayList<>();

    int check = 0;
    int cnt = 1;
    LocalTime startTime = null;
    LocalTime endTime = null;
    for(int i = 0; i < 60; i++){
        long resultAnd = (timetable & (1L << i));
        if(resultAnd == 0){
            if(check == 0){
                startTime = LocalTime.of(START_HOUR, minute: 0).plusMinutes( minutesToAdd: i * 15);
                check = 1;
                cnt = 1;
            }else{
                cnt++;
            }
        }else if (check == 1){
            check = 0;
            endTime = startTime.plusMinutes( minutesToAdd: cnt*15);
            VoteItemEntity voteItemEntity = VoteItemEntity.builder()
                .vote(voteEntity)
                .endTime(endTime)
                .startTime(startTime)
                .day(day)
                .build();
            voteItemRepository.save(voteItemEntity);
        }
    }
    return null;
}
```

## 03. Challenges, Next week

## • 03. Challenges, Next week

- 1) Selenium execution failed on EC2

```
Traceback (most recent call last):
  File "/test.py", line 16, in <module>
    driver = webdriver.Firefox(options=options)
  File "/usr/local/lib/python3.10/dist-packages/selenium/webdriver/firefox/webdriver.py", line 67, in __init__
    super().__init__(command_executor=executor, options=options)
  File "/usr/local/lib/python3.10/dist-packages/selenium/webdriver/remote/webdriver.py", line 208, in __init__
    self.start_session(capabilities)
  File "/usr/local/lib/python3.10/dist-packages/selenium/webdriver/remote/webdriver.py", line 292, in start_session
    response = self.execute(Command.NEW_SESSION, caps)["value"]
  File "/usr/local/lib/python3.10/dist-packages/selenium/webdriver/remote/webdriver.py", line 347, in execute
    self.error_handler.check_response(response)
  File "/usr/local/lib/python3.10/dist-packages/selenium/webdriver/remote/errorhandler.py", line 229, in check_response
    raise exception_class(message, screen, stacktrace)
selenium.common.exceptions.InvalidArgumentException: Message: binary is not a Firefox executable
```

## : 03. Challenges, Next week

- 2) How to decide Voting items

Ex1) Time when Everyone can gather : 9:00 ~ 17:00

The period set by the user: 1hour

9:00 ~ 10:00  
10:00 ~ 11:00

9:00 ~ 10:00  
9:15 ~ 10:15

...

...

Ex2) Time when Everyone can gather : 9:00 ~ 10:15

The period set by the user: 1hour

9:00 ~ 10:00  
10:00 ~ 10:15

9:00 ~ 10:00  
9:15 ~ 10:15

Ex2) Time when Everyone can gather : 9:00 ~ 24:00

The period set by the user: X

9:00 ~ 24:00



# : 03. Challenges, Next week

- Next week

API 명세서 ...				
구분	Aa 기능	HTTP 메서드	API Path	<input checked="" type="checkbox"/> 급하다급해
				<input type="checkbox"/>
User	 로그인	POST	/user/login	<input checked="" type="checkbox"/>
User	 로그아웃	POST	/user/logout	<input checked="" type="checkbox"/>
User	 회원가입	POST	/user/join	<input checked="" type="checkbox"/>
Club	 새 스터디 생성	POST	/clubs/write	<input checked="" type="checkbox"/>
Club	 스터디 검색	GET	/clubs/searchs?keyword=스프링(예시)?major=어퍼구	<input checked="" type="checkbox"/>
Club	 전체 스터디 조회	GET	/clubs	<input checked="" type="checkbox"/>
Club	나의 스터디 조회	GET	/clubs?user=1/	<input type="checkbox"/>
Club	스터디 삭제	DELETE	/clubs/{clubid}	<input type="checkbox"/>
Club	 스터디 상세 검색	GET	/clubs/{clubid}	<input checked="" type="checkbox"/>
Club	전공별 스터디 조회	GET		<input type="checkbox"/>
Post	게시글 생성	POST		<input type="checkbox"/>
Post	댓글 조회	GET	/comment?postsid=1/	<input type="checkbox"/>
Post	댓글 작성	POST	/comment?postsid=1/	<input type="checkbox"/>
Post	게시물 조회	GET		<input type="checkbox"/>
Vote	투표 조회	GET		<input type="checkbox"/>
Vote	투표 생성			<input checked="" type="checkbox"/>
Vote	투표수 조회			<input checked="" type="checkbox"/>
Vote	투표하기			<input checked="" type="checkbox"/>
				<input type="checkbox"/>
Major	 전체 전공 조회	GET	/major	<input type="checkbox"/>

+ Frontend